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PCT09

#71508  
3/4/02RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/889,722DATE: 08/01/2001  
TIME: 18:17:05Input Set : A:\sequence listing.txt  
Output Set: N:\CRF3\08012001\I889722.raw

ENTERED

4 <110> APPLICANT: Japan Science and Technology Corporation  
 6 <120> TITLE OF INVENTION: Human nucleoprotein having a WW domain and  
 7 a polynucleotide encoding the protein  
 9 <130> FILE REFERENCE: 00-F-061PCT  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/889,722  
 C--> 12 <141> CURRENT FILING DATE: 2001-07-20  
 14 <150> PRIOR APPLICATION NUMBER: JP11-332572  
 15 <151> PRIOR FILING DATE: 1999-11-24  
 17 <160> NUMBER OF SEQ ID NOS: 7  
 19 <170> SOFTWARE: PatentIn Ver. 2.0  
 21 <210> SEQ ID NO: 1  
 22 <211> LENGTH: 704  
 23 <212> TYPE: PRT  
 24 <213> ORGANISM: Homo sapiens  
 26 <400> SEQUENCE: 1  
 27 Met Ala Asn Glu Asn His Gly Ser Pro Arg Glu Glu Ala Ser Leu Leu  
 28 1 5 10 15  
 29 Ser His Ser Pro Gly Thr Ser Asn Gln Ser Gln Pro Cys Ser Pro Lys  
 30 20 25 30  
 31 Pro Ile Arg Leu Val Gln Asp Leu Pro Glu Glu Leu Val His Ala Gly  
 32 35 40 45  
 33 Trp Glu Lys Cys Trp Ser Arg Arg Glu Asn Arg Pro Tyr Tyr Phe Asn  
 34 50 55 60  
 35 Arg Phe Thr Asn Gln Ser Leu Trp Glu Met Pro Val Leu Gly Gln His  
 36 65 70 75 80  
 37 Asp Val Ile Ser Asp Pro Leu Gly Leu Asn Ala Thr Pro Leu Pro Gln  
 38 85 90 95  
 39 Asp Ser Ser Leu Val Glu Thr Pro Pro Ala Glu Asn Lys Pro Arg Lys  
 40 100 105 110  
 41 Arg Gln Leu Ser Glu Glu Gln Pro Ser Gly Asn Gly Val Lys Lys Pro  
 42 115 120 125  
 43 Lys Ile Glu Ile Pro Val Thr Pro Thr Gly Gln Ser Val Pro Ser Ser  
 44 130 135 140  
 45 Pro Ser Ile Pro Gly Thr Pro Thr Leu Lys Met Trp Gly Thr Ser Pro  
 46 145 150 155 160  
 47 Glu Asp Lys Gln Gln Ala Ala Leu Leu Arg Pro Thr Glu Val Tyr Trp  
 48 165 170 175  
 49 Asp Leu Asp Ile Gln Thr Asn Ala Val Ile Lys His Arg Gly Pro Ser  
 50 180 185 190  
 51 Glu Val Leu Pro Pro His Pro Glu Val Glu Leu Leu Arg Ser Gln Leu  
 52 195 200 205  
 53 Ile Leu Lys Leu Arg Gln His Tyr Arg Glu Leu Cys Gln Gln Arg Glu  
 54 210 215 220  
 55 Gly Ile Glu Pro Pro Arg Glu Ser Phe Asn Arg Trp Met Leu Glu Arg  
 56 225 230 235 240  
 57 Lys Val Val Asp Lys Gly Ser Asp Pro Leu Leu Pro Ser Asn Cys Glu  
 58 245 250 255

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59 Pro Val Val Ser Pro Ser Met Phe Arg Glu Ile Met Asn Asp Ile Pro  
60 260 265 270  
61 Ile Arg Leu Ser Arg Ile Lys Phe Arg Glu Glu Ala Lys Arg Leu Leu  
62 275 280 285  
63 Phe Lys Tyr Ala Glu Ala Ala Arg Arg Leu Ile Glu Ser Arg Ser Ala  
64 290 295 300  
65 Ser Pro Asp Ser Arg Lys Val Val Lys Trp Asn Val Glu Asp Thr Phe  
66 305 310 315 320  
67 Ser Trp Leu Arg Lys Asp His Ser Ala Ser Lys Glu Asp Tyr Met Asp  
68 325 330 335  
69 Arg Leu Glu His Leu Arg Arg Gln Cys Gly Pro His Val Ser Ala Ala  
70 340 345 350  
71 Ala Lys Asp Ser Val Glu Gly Ile Cys Ser Lys Ile Tyr His Ile Ser  
72 355 360 365  
73 Leu Glu Tyr Val Lys Arg Ile Arg Glu Lys His Leu Ala Ile Leu Lys  
74 370 375 380  
75 Glu Asn Asn Ile Ser Glu Glu Val Glu Ala Pro Glu Val Glu Pro Arg  
76 385 390 395 400  
77 Leu Val Tyr Cys Tyr Pro Val Arg Leu Ala Val Ser Ala Pro Pro Met  
78 405 410 415  
79 Pro Ser Val Glu Met His Met Glu Asn Asn Val Val Cys Ile Arg Tyr  
80 420 425 430  
81 Lys Gly Glu Met Val Lys Val Ser Arg Asn Tyr Phe Ser Lys Leu Trp  
82 435 440 445  
83 Leu Leu Tyr Arg Tyr Ser Cys Ile Asp Asp Ser Ala Phe Glu Arg Phe  
84 450 455 460  
85 Leu Pro Arg Val Trp Cys Leu Leu Arg Arg Tyr Gln Met Met Phe Gly  
86 465 470 475 480  
87 Val Gly Leu Tyr Glu Gly Thr Gly Leu Gln Gly Ser Leu Pro Val His  
88 485 490 495  
89 Val Phe Glu Ala Leu His Arg Leu Phe Gly Val Ser Phe Glu Cys Phe  
90 500 505 510  
91 Ala Ser Pro Leu Asn Cys Tyr Phe Arg Gln Tyr Cys Ser Ala Phe Pro  
92 515 520 525  
93 Asp Thr Asp Gly Tyr Phe Gly Ser Arg Gly Pro Cys Leu Asp Phe Ala  
94 530 535 540  
95 Pro Leu Ser Gly Ser Phe Glu Ala Asn Pro Pro Phe Cys Glu Glu Leu  
96 545 550 555 560  
97 Met Asp Ala Met Val Ser His Phe Glu Arg Leu Leu Glu Ser Ser Pro  
98 565 570 575  
99 Glu Pro Leu Ser Phe Ile Val Phe Ile Pro Glu Trp Arg Glu Pro Pro  
100 580 585 590  
101 Thr Pro Ala Leu Thr Arg Met Glu Gln Ser Arg Phe Lys Arg His Gln  
102 595 600 605  
103 Leu Ile Leu Pro Ala Phe Glu His Glu Tyr Arg Ser Gly Ser Gln His  
104 610 615 620  
105 Ile Cys Lys Lys Glu Glu Met His Tyr Lys Ala Val His Asn Thr Ala  
106 625 630 635 640  
107 Val Leu Phe Leu Gln Asn Asp Pro Gly Phe Ala Lys Trp Ala Pro Thr

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Input Set : A:\sequence listing.txt  
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108	645	650	655
109	Pro Glu Arg Leu Gln Glu Leu Ser Ala Ala Tyr Arg Gln Ser Gly Arg		
110	660	665	670
111	Ser His Ser Ser Gly Ser Ser Ser Ser Ser Glu Ala Lys Asp		
112	675	680	685
113	Arg Asp Ser Gly Arg Glu Gln Gly Pro Ser Arg Glu Pro His Pro Thr		
114	690	695	700

117 <210> SEQ ID NO: 2

118 <211> LENGTH: 2112

119 <212> TYPE: DNA

120 <213> ORGANISM: *Homo sapiens*

122 <400> SEQUENCE: 2

123 atggccaatg agaatacagg cagccccgg gaggaagcgt ccctgctgag tcactcccc 60  
124 ggtacctcca atcagagcca gcccgttct ccaaagccaa tccgcctggg tcaggaccc 120  
125 ccagaggagc tggtgcatgc aggctgggag aagtctgg a cccggaggg gaatcgccc 180  
126 tactacttca accgattcac caaccagttc ctgtgggaga t gcccgtgct gggcagcac 240  
127 gatgtgattt cggaccctt ggggctgaat ggcacccac t gcccggaa ctcaggttt 300  
128 gtggaaactc ccccggtctga gaacaagccc agaaagcggc agctctcgga agagcagcca 360  
129 agcggcaatg gtgtgaagaa gcccagatt gaaatcccag tgacaccac agggcagtcg 420  
130 gtgcccagct cccccagtat cccaggaacc ccaacgctga agatgtggg tacgtcccc 480  
131 gaagataaac agcaggcagc ttcctctacga cccactgagg tctactggg cctggacatc 540  
132 cagaccaatg ctgtcatcaa gcacccggg cttcagagg tgctgcccc gcatcccgaa 600  
133 gtggactg tccgctctca gtcatcctg aagttcgac agcactatcg ggagctgtgc 660  
134 cagcagcgag agggcattga gcctccacgg gagttttca accgctggat gctggagcgc 720  
135 aagggtgttag acaaaggatc tgacccctg ttgcccagca actgtgaacc agtcgtgtca 780  
136 cttccatgt ttcgtgaaat catgaacgac attctatca gttatccc aatcaagttc 840  
137 cgggaggaag ccaagccct gcttttaaa tatcgagg ccgcagcgc gctcatcgag 900  
138 tccaggagtg catccctga cagtaggaag gtggtaat ggaatgtgg a gacaccctt 960  
139 agctggcttc ggaaggacca ctccgcctcc aaggaggact acatggatcg cctggagcat 1020  
140 ctgcggaggc agtgtggccc ccacgtctcg gcccagccca aggactccgt ggaaggcattc 1080  
141 tgcgttaaga tctaccacat ctccctggag tacgtcaa ac ggatccgaga gaagcacctt 1140  
142 gccatccctca aggaaaacaa catctcagag gaggtggagg cccctgaggt ggagccccgc 1200  
143 ctatgtact gtcaccatgt ccggctggc gtgtctgcac cgcggatcc cagctggag 1260  
144 atgcacatgg agaacaacgt gtcgtcata cggatataagg gagatgtgtt caaggtcagc 1320  
145 cgcactact tcagcaagct gtggctcctt taccgtac a gtcgtcattga tgactctgcc 1380  
146 tttgagaggt tcctggcccg ggtctgggt ctctccgac ggtaccagat gatttcggc 1440  
147 gtgggcctct acgaggggac tggctcgac ggatcgctgc ctgtcatgt ctggaggcc 1500  
148 ctccaccgac tctttggcgt cagttcgag tgctcgcct caccctcaa ctgtacttc 1560  
149 cggcgtact gttctgcctt ccccgacaca gacgctact ttggctcccg cggccctgc 1620  
150 cttagactttt ctccactgag tggttcattt gaggccaa ctccttcgt cgaggagctc 1680  
151 atggatgcca tggtctctca ctttgagaga ctgttggaa gtcaccggc gcccgttcc 1740  
152 ttcatcggt tcatccctga gtggcgggaa ccccaacac cagcgttcac cccatggag 1800  
153 cagagccgct tcaaacgcca ccagttgatc ctgcctgcct ttgagcatga gtaccgcagt 1860  
154 ggctcccgac acatctgcaaa gaaggaggaa atgcactaca agggcgttca caacacggct 1920  
155 gtgtcttcc tacagaacgca ccctggctt gccaagtggg cggccacgc tgaacggctg 1980  
156 caggagctga gtgctgccta ccggcagtc ggcggcagcc acagctctgg ttcttcctca 2040  
157 tcgtcttcc cggaggccaa ggaccgggac tcggccgtg agcagggtcc tagccgcgag 2100  
158 cctcaccctca ct  
161 <210> SEQ ID NO: 3

161 <210> SEQ ID NO: 3

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Input Set : A:\sequence listing.txt  
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162 <211> LENGTH: 2669  
163 <212> TYPE: DNA  
164 <213> ORGANISM: Homo sapiens  
166 <220> FEATURE:  
167 <221> NAME/KEY: CDS  
168 <222> LOCATION: (292)..(2406)  
170 <400> SEQUENCE: 3  
171 acacaagatg gcggcagcgg cgctgggag ggcgaggcgg aggccggaaa acggcggtc 60  
172 gagcagaacg tgcggcccg tccccctccag tccgcgtccgg gcagctgctg atgcaaggaa 120  
173 tccccctgggc tccccgtccac tccactgctg accagcccat tcgcctgtgc tgagtcttcc 180  
174 tgcaggcctt tccttgcctc tgcgggaccc tgcgggggtc catccggctg gagaagaaaa 240  
175 gcctctcatg ctaacgttgc agaccccaaga gggccctgtg tgggtgttggaa g atg gcc 297  
176 Met Ala  
177 1  
178 aat gag aat cac ggc agc ccc cgg gag gaa gcg tcc ctg ctg agt cac 345  
179 Asn Glu Asn His Gly Ser Pro Arg Glu Glu Ala Ser Leu Leu Ser His  
180 5 10 15  
181 tcc cca ggt acc tcc aat cag agc cag ccc tgt tct cca aag cca atc 393  
182 Ser Pro Gly Thr Ser Asn Gln Ser Gln Pro Cys Ser Pro Lys Pro Ile  
183 20 25 30  
184 cgc ctg gtt cag gac ctc cca gag gag ctg gtg cat gca ggc tgg gag 441  
185 Arg Leu Val Gln Asp Leu Pro Glu Glu Leu Val His Ala Gly Trp Glu  
186 35 40 45 50  
187 aag tgc tgg agc cgg agg gag aat cgt ccc tac tac ttc aac cga ttc 489  
188 Lys Cys Trp Ser Arg Arg Glu Asn Arg Pro Tyr Tyr Phe Asn Arg Phe  
189 55 60 65  
190 acc aac cag tcc ctg tgg gag atg ccc gtg ctg ggg cag cac gat gtg 537  
191 Thr Asn Gln Ser Leu Trp Glu Met Pro Val Leu Gly Gln His Asp Val  
192 70 75 80  
193 att tcg gac cct ttg ggg ctg aat gcg acc cca ctg ccc caa gac tca 585  
194 Ile Ser Asp Pro Leu Gly Leu Asn Ala Thr Pro Leu Pro Gln Asp Ser  
195 85 90 95  
196 agc ttg gtg gaa act ccc ccg gct gag aac aag ccc aga aag cgg cag 633  
197 Ser Leu Val Glu Thr Pro Pro Ala Glu Asn Lys Pro Arg Lys Arg Gln  
198 100 105 110  
199 ctc tcg gaa gag cag cca agc ggc aat ggt gtg aag aag ccc aag att 681  
200 Leu Ser Glu Glu Gln Pro Ser Gly Asn Gly Val Lys Lys Pro Lys Ile  
201 115 120 125 130  
202 gaa atc cca gtg aca ccc aca ggc cag tcg gtg ccc agc tcc ccc agt 729  
203 Glu Ile Pro Val Thr Pro Thr Gly Gln Ser Val Pro Ser Ser Pro Ser  
204 135 140 145  
205 atc cca gga acc cca acg ctg aag atg tgg ggt acg tcc cct gaa gat 777  
206 Ile Pro Gly Thr Pro Thr Leu Lys Met Trp Gly Thr Ser Pro Glu Asp  
207 150 155 160  
208 aaa cag cag gca gct ctc cta cga ccc act gag gtc tac tgg gac ctg 825  
209 Lys Gln Gln Ala Ala Leu Leu Arg Pro Thr Glu Val Tyr Trp Asp Leu  
210 165 170 175  
211 gac atc cag acc aat gct gtc atc aag cac cgg ggg cct tca gag gtg 873  
212 Asp Ile Gln Thr Asn Ala Val Ile Lys His Arg Gly Pro Ser Glu Val

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213	180	185	190															
214	ctg	ccc	ccg	cat	ccc	gaa	gtg	gaa	ctg	ctc	cgc	tct	cag	ctc	atc	ctg	921	
215	Leu	Pro	Pro	His	Pro	Glu	Val	Glu	Leu	Leu	Arg	Ser	Gln	Leu	Ile	Leu		
216	195								200		205					210		
217	aag	ctt	cg	cg	cag	cac	tat	cg	gag	ctg	tgc	cag	cag	cga	gag	ggc	att	969
218	Lys	Leu	Arg	Gln	His	Tyr	Arg	Glu	Leu	Cys	Gln	Gln	Arg	Glu	Gly	Ile		
219									215		220					225		
220	gag	cct	cca	cg	gg	gag	tct	ttc	aac	cgc	tgg	atg	ctg	gag	cgc	aag	gtg	1017
221	Glu	Pro	Pro	Arg	Glu	Ser	Phe	Asn	Arg	Trp	Met	Leu	Glu	Arg	Lys	Val		
222									230		235					240		
223	gta	gac	aaa	gga	tct	gac	ccc	ctg	ttg	ccc	agc	aac	tgt	gaa	cca	gtc	1065	
224	Val	Asp	Lys	Gly	Ser	Asp	Pro	Leu	Leu	Pro	Ser	Asn	Cys	Glu	Pro	Val		
225									245		250					255		
226	gtg	tca	cct	tcc	atg	ttt	cgt	gaa	atc	atg	aac	gac	att	cct	atc	agg	1113	
227	Val	Ser	Pro	Ser	Met	Phe	Arg	Glu	Ile	Met	Asn	Asp	Ile	Pro	Ile	Arg		
228									260		265					270		
229	tta	tcc	cga	atc	aag	ttc	cg	gg	gaa	gcc	aag	cgc	ctg	ctc	ttt	aaa	1161	
230	Leu	Ser	Arg	Ile	Lys	Phe	Arg	Glu	Glu	Ala	Lys	Arg	Leu	Leu	Phe	Lys		
231	275						280				285					290		
232	tat	g	c	g	g	g	cc	gg	ctc	atc	gag	tcc	agg	agt	gca	tcc	cct	1209
233	Tyr	Ala	Gl	Ala	Ala	Arg	Arg	Leu	Ile	Glu	Ser	Arg	Ser	Ala	Ser	Pro		
234									295		300					305		
235	gac	agt	agg	aag	gt	gt	aaa	tgg	aat	gt	gaa	gac	acc	ttt	agc	tgg	1257	
236	Asp	Ser	Arg	Lys	Val	Val	Lys	Trp	Asn	Val	Glu	Asp	Thr	Phe	Ser	Trp		
237									310		315					320		
238	ctt	cg	aag	gac	ca	tca	gg	tcc	aag	gag	gac	tac	atg	gat	cgc	ctg	1305	
239	Leu	Arg	Lys	Asp	His	Ser	Ala	Ser	Lys	Glu	Asp	Tyr	Met	Asp	Arg	Leu		
240									325		330					335		
241	gag	cat	ct	cg	gg	agg	cag	tgt	ggc	ccc	cac	gtc	tcg	gcc	gca	gcc	aag	1353
242	Glu	His	Leu	Arg	Arg	Gln	Cys	Gly	Pro	His	Val	Ser	Ala	Ala	Ala	Lys		
243									340		345					350		
244	gac	tcc	gt	gaa	gg	atc	tgc	agt	aag	atc	tac	cac	atc	tcc	ctg	gag	1401	
245	Asp	Ser	Val	Glu	Ile	Cys	Ser	Lys	Ile	Tyr	His	Ile	Ser	Leu	Glu			
246									355		360					365		
247	tac	gtc	aaa	cg	atc	cg	gag	aag	cac	ttt	gcc	atc	ctc	aag	gaa	aac	1449	
248	Tyr	Val	Lys	Arg	Ile	Arg	Glu	Lys	His	Leu	Ala	Ile	Leu	Lys	Glu	Asn		
249									375		380					385		
250	aac	atc	tca	gag	gag	gt	gag	gg	cct	gag	gt	gag	ccc	cgc	cta	gt	1497	
251	Asn	Ile	Ser	Glu	Glu	Val	Glu	Ala	Pro	Glu	Val	Glu	Pro	Arg	Leu	Val		
252									390		395					400		
253	tac	tgc	tac	cca	gt	cg	gt	gt	tct	gca	ccg	ccc	atg	ccc	agc		1545	
254	Tyr	Cys	Tyr	Pro	Val	Arg	Leu	Ala	Val	Ser	Ala	Pro	Pro	Met	Pro	Ser		
255									405		410					415		
256	gt	gag	atg	cac	atg	gag	aac	aac	gt	gt	tgc	atc	cg	tat	aag	gga	1593	
257	Val	Glu	Met	His	Met	Glu	Asn	Asn	Val	Val	Cys	Ile	Arg	Tyr	Lys	Gly		
258									420		425					430		
259	gag	atg	gtc	aag	gtc	agc	cgc	aac	tac	ttc	agc	aag	ctg	tgg	ctc	ttt	1641	
260	Glu	Met	Val	Lys	Val	Ser	Arg	Asn	Tyr	Phe	Ser	Lys	Leu	Trp	Leu	Leu		
261									435		440					445		
																450		

VERIFICATION SUMMARY

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Input Set : A:\sequence listing.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date